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**Method for automatic sharpening of tobacco cutting blades has a control programme which monitors the torque of the cutting drive to determine if the blades require sharpening via an automatic grinding tool**

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### Patent Family

Patent Number	Kind	Date	Application Number	Kind	Date	Week	Type
EP 1151680	A2	20011107	EP 2001110376	A	20010426	200204	B
DE 10021614	A1	20011108	DE 1021614	A	20000504	200204	
JP 2002011642	A	20020115	JP 2001134464	A	20010501	200208	
US 20020005098	A1	20020117	US 2001847597	A	20010503	200212	
CN 1322499	A	20011121	CN 2001115844	A	20010508	200218	
US 6634579	B2	20031021	US 2001847597	A	20010503	200370	

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### Patent Details

Patent	Kind	Language	Page	Main IPC	Filing Notes
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CN 1322499	A			A24B-007/04	
US 6634579	B2			B02C-025/00	

### Abstract:

EP 1151680 A2

**NOVELTY** A method for automatic sharpening of tobacco cutting blades (16) fitted to a rotating drum (18) monitors the torque of the drive motor of the cutter as well as other parameters to determine if the blades require sharpening, or repositioning. The blades are mounted on an adjustable support and their cutting position is continually adjusted to provide the optimum cutting rate. If the control programme determines that the blades require sharpening an automatic control operates a grinding tool (21) to hone the blades. No manual adjustment is required. The other parameters monitored include moisture content, tobacco type, temperature, packing density of tobacco feed etc.

USE Tobacco processing equipment

ADVANTAGE An automatic sharpening and feed control which requires no manual skills

DESCRIPTION OF DRAWING(S) The drawing shows a schematic of a tobacco cutting machine.

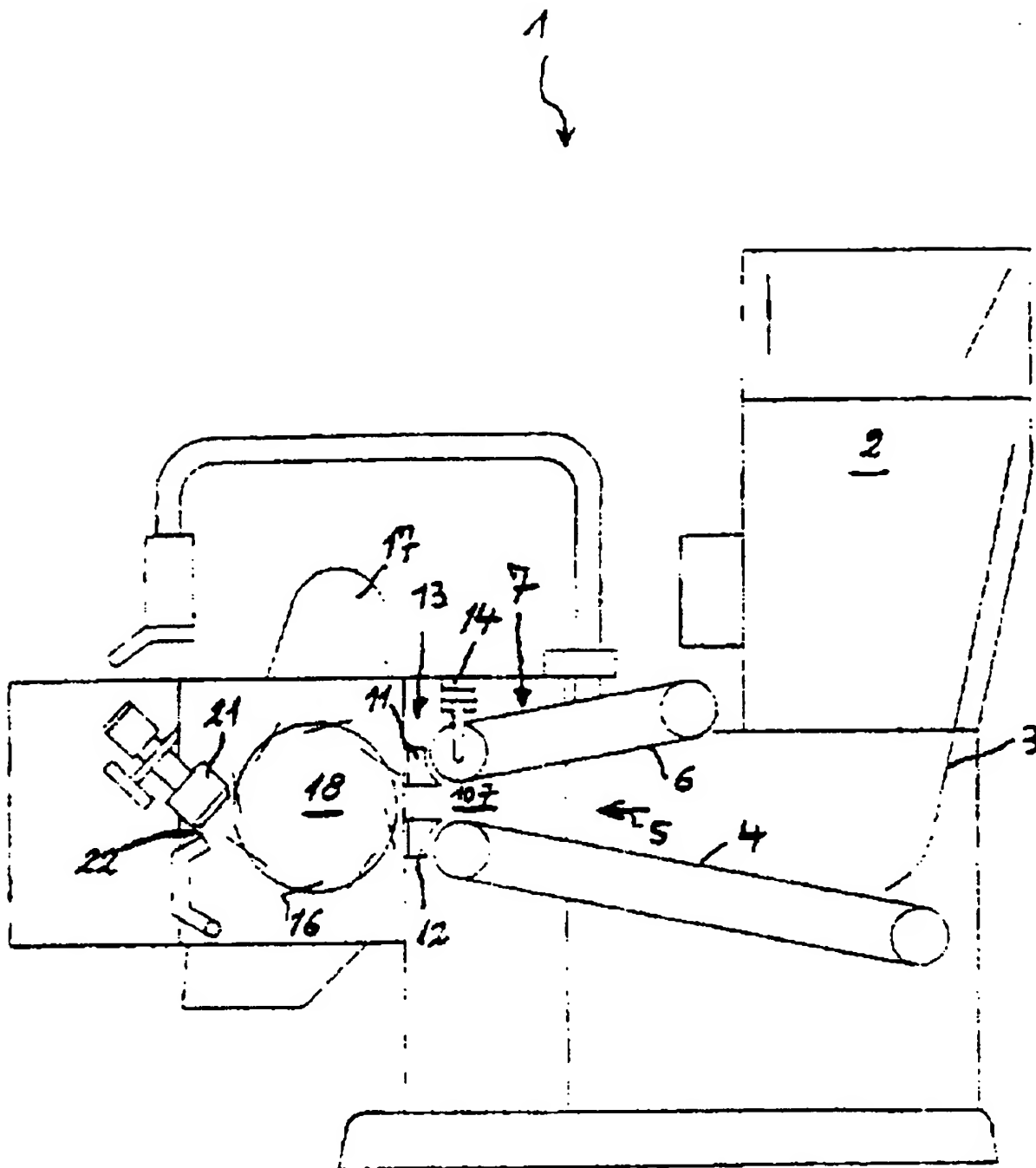
Cutting drum (18)

Cutting blades (16)

Grinding tool (21)

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